

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1. – 4. (Canceled)

Claim 5. (currently amended) An isolated nucleic acid molecule comprising a nucleic acid sequence encoding a polypeptide comprising an amino acid sequence of SEQ ID NO: 4.
~~selected from the group consisting of:~~

- ~~a) a mature form of the amino acid sequence, given SEQ ID NO: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 or 26~~
- ~~b) a variant of a mature form of the amino acid sequence selected from the group consisting of SEQ ID NO: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 or 26 wherein any amino acid in the mature form of the chosen sequence is changed to a different amino acid, provided that no more than 15% of the amino acid residues in the sequence of the mature form are so changed;~~
- ~~c) the amino acid sequence selected from the group consisting of SEQ ID NO: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 or 26;~~
- ~~d) a variant of the amino acid sequence selected from the group consisting of SEQ ID NO: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 or 26, in which any amino acid specified in the chosen sequence is changed to a different amino acid, provided that no more than 15% of the amino acid residues in the sequence are so changed;~~
- ~~e) a nucleic acid fragment encoding at least a portion of a polypeptide comprising the amino acid sequence selected from the group consisting of SEQ ID NO: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24 or 26 or any variant of said polypeptide wherein any amino acid of the chosen sequence is changed to a different amino acid, provided that no more than 10% of the amino acid residues in the sequence are so changed; and~~
- ~~f) the complement of any of said nucleic acid molecules.~~

Claims 6. – 8. (canceled)

Claim 9. (currently amended) The nucleic acid molecule of claim 5, wherein said nucleic acid molecule comprises a nucleotide sequence of SEQ ID NO: 3. ~~selected from the group consisting of~~

- a) ~~the nucleotide sequence selected from the group consisting of SEQ ID NO: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 or 25;~~
- b) ~~a nucleotide sequence wherein one or more nucleotides in the nucleotide sequence selected from the group consisting of SEQ ID NO: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 or 25 is changed from that selected from the group consisting of the chosen sequence to a different nucleotide provided that no more than 15% of the nucleotides are so changed;~~
- e) ~~a nucleic acid fragment of the sequence selected from the group consisting of SEQ ID NO: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 or 25; and~~
- d) ~~a nucleic acid fragment wherein one or more nucleotides in the nucleotide sequence selected from the group consisting of SEQ ID NO: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 or 25 is changed from that selected from the group consisting of the chosen sequence to a different nucleotide provided that no more than 15% of the nucleotides are so changed.~~

Claim 10. (currently amended) The nucleic acid molecule of claim 5, wherein said nucleic acid molecule hybridizes under stringent conditions to ~~the nucleotide sequence selected from the group consisting of SEQ ID NO: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 or 25~~ SEQ ID NO: 3, ~~or a complement of said nucleotide sequence.~~

Claim 11. (canceled)

Claim 12. (currently amended) A vector comprising the nucleic acid molecule of ~~claim 11~~ claim 5.

Claim 13. (original) The vector of claim 12, further comprising a promoter operably-linked to said nucleic acid molecule.

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Claim 14. (original) A cell comprising the vector of claim 12.

Claims 15. – 79. (canceled)

Claim 80. (new) A nucleic acid molecule comprising a complement of a nucleotide sequence
encoding a polypeptide comprising an amino acid sequence of SEQ ID NO: 4.